

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-8. (Canceled)

9. (Currently Amended) A data processing system for identifying nodes in a network data processing system, the data processing system comprising:
a bus system;
a communications unit connected to the bus system;
a memory connected to the bus system, wherein the memory includes a set of instructions; and
a processing unit connected to the bus system, wherein the processing unit executes the set of instructions to receive cache data from a set of routers in the data processing system on a periodic basis, wherein the cache data includes an identification of the nodes sending data packets onto the network data processing system; [[and]] identify the nodes on the network data processing system using the cache data from the set of routers; and generate a display of the nodes in a graphical view comprising communications paths between the nodes with a graphical indication of network traffic volume using the cache data received on a periodic basis, wherein the graphical view includes network traffic volume and node relationships over time.

10. (Currently Amended) A data processing system for identifying nodes in a network data processing system, the data processing system comprising:
receiving means for receiving cache data from a set of routers in the data processing system on a periodic basis, wherein the cache data includes an identification of the nodes sending data packets onto the network data processing system; [[and]]

identifying means for identifying the nodes on the network data processing system using the cache data from the set of routers; and

generating means for generating a display of the nodes in a graphical view comprising communications paths between the nodes with a graphical indication of network traffic volume using the cache data received on a periodic basis, wherein the graphical view includes network traffic volume and node relationships over time.

11. (Original) The data processing system of claim 10, wherein the cache data is from a set of address resolution protocol caches located on the set of routers.
12. (Original) The data processing system of claim 10 further comprising:
identifying means for identifying communications paths between the nodes on the network data processing system using the cache data.
13. (Currently Amended) The data processing system of claim 11, ~~wherein the receiving means occurs on a periodic basis and~~ further comprising:
identifying means for identifying network traffic on the communication paths using the cache data received on the periodic basis from the set of routers.
14. (Currently Amended) The data processing system of claim 13 ~~further comprising: generating means for generating a display of the nodes in a graphical view, wherein the graphical view includes the communications paths with a graphical indication of the network traffic, wherein the cache data received on the periodic basis is used to validate service level agreement compliance.~~
15. (Original) The data processing system of claim 11, wherein the cache data is received through agents located on the set of routers.
16. (Original) The data processing system of claim 15, where the agents clear the set of address resolution protocol caches each time data is sent to the data processing system.
17. (Original) The data processing system of claim 11, wherein the cache data contains entries for the nodes sending data packets onto the network data processing system and wherein each entry includes at least one of a media access control address, a source Internet Protocol address, and a destination Internet Protocol address.
18. (Currently Amended) A computer program product in a computer readable medium for identifying nodes in a network data processing system, the computer program product comprising:
first instructions for receiving cache data from a set of routers in the data processing system on a periodic basis, wherein the cache data includes an identification of the nodes sending data packets onto the network data processing system; [[and]]

second instructions for identifying the nodes on the network data processing system using the cache data from the set of routers; and

third instructions for generating a display of the nodes in a graphical view comprising communications paths between the nodes with a graphical indication of network traffic volume using the cache data received on a periodic basis, wherein the graphical view includes network traffic volume and node relationships over time.

19. (Original) The computer program product of claim 18, wherein the cache data is from a set of address resolution protocol caches located on the set of routers.

20. (Currently Amended) The computer program product of claim 18 further comprising:

[[third]] fourth instructions for identifying communications paths between the nodes on the network data processing system using the cache data.

21. (New) The data processing system of claim 10, wherein the graphical indication comprises network connections of different thicknesses to indicate network traffic volume.